

## ABSTRACT

5 A channel structure for use in communication systems. Two sets of  
physical channels, one for the forward link and another for the reverse link, are  
utilized to facilitate communication of a variety of logical channels. The  
physical channels comprise data and control channels. In the exemplary  
embodiment, the data channels comprise fundamental channels which are used  
to transmit voice traffic, data traffic, high speed data, and other overhead  
10 information and supplemental channels which are used to transmit high speed  
data. The fundamental channels can be released when the remote stations are  
idle to more fully utilized the available capacity. The control channels are used  
to transmit paging and control messages and scheduling information.